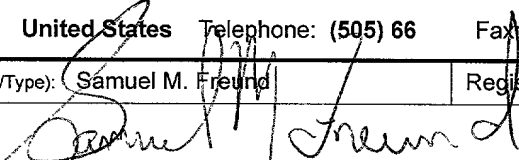


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UTILITY PATENT APPLICATION TRANSMITTAL		Attorney Docket No.: S-97,774	
		First Inventor or Application Identifier: Eric S. Maniloff et al.	
		Title: NONDEGENERATE FOUR-WAVE MIXING USING PHOTOINDUCED CHARGE-TRANSFER MATERIALS	
		Express Mail Label No: EJ039304011US	
APPLICATION ELEMENTS		ADDRESS TO: Box Patent Application Commissioner for Patents Washington, DC 20231	
<p>1. <input checked="" type="checkbox"/> * Fee Transmittal Form (e.g. PTO/SB/17) (submit an original and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages 15] <input checked="" type="checkbox"/> Descriptive title of the Invention <input checked="" type="checkbox"/> Cross References to Related Applications <input checked="" type="checkbox"/> Statement Regarding Fed sponsored R&D <input type="checkbox"/> Reference to sequence listing, a table or a computer program listing appendix <input checked="" type="checkbox"/> Background of the Invention <input checked="" type="checkbox"/> Brief Description of the Drawings (if filed) <input checked="" type="checkbox"/> Detailed Description <input checked="" type="checkbox"/> Claim(s) <input checked="" type="checkbox"/> Abstract of the Disclosure</p> <p>4. <input checked="" type="checkbox"/> Drawings(s) (35 U.S.C. 113) [Total Sheets - 5] <input type="checkbox"/> Formal <input checked="" type="checkbox"/> Informal</p> <p>5. <input type="checkbox"/> Declaration & Power of Attorney [Total Pages: 8] a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 63(d) (for continuation/divisional with Box 16 completed) c. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33 (b).</p>		<p>6. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Copy b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies): or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statement verifying identity of above copies</p>	
ACCOMPANYING APPLICATION PARTS			
<p>8. <input type="checkbox"/> Assignment Papers (cover sheet & documentation)</p> <p>9. <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement <input type="checkbox"/> Power of (when there is an assignee) Attorney</p> <p>10. <input type="checkbox"/> Information Disclosure <input type="checkbox"/> Copies of IDS Statement (IDS)/PTO-1449 Citations</p> <p>11. <input type="checkbox"/> Preliminary Amendment</p> <p>12. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (should be specifically itemized)</p> <p>13. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)</p> <p>14. <input type="checkbox"/> Request and Certification Under 35 U.S.C. 122(b)(2)(b)(i)</p> <p>15. <input type="checkbox"/> Other: Petition for Extension of Time</p>			
<p>16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input checked="" type="checkbox"/> Continuation-in-part (CIP) of prior application S.N. 08/889,787. Prior application information: Examiner M. Angebranndt Group/Art Unit: 1756</p> <p>For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.</p>			
16. CORRESPONDENCE ADDRESS			
Name: Samuel M. Freund			
Address: Los Alamos National Laboratory LC/BPL, MS A187			
City: Los Alamos State: New Mexico Zip Code 87545			
Country: United States Telephone: (505) 66 Fax: (505) 665-3100			
Name (Print/Type): Samuel M. Freund		Registration No. (Attorney/Agent): 34,516	
Signature: 		Date: October 04, 2001	

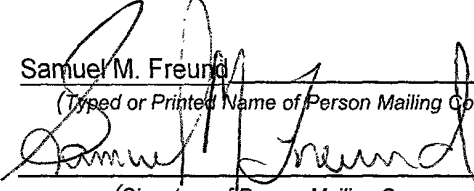
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09/973170

10/04/01

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10) Applicant(s):			Docket No. S-97,774
Serial No	Filing Date October 04, 2001	Examiner	Group Art Unit
Invention: NONDEGENERATE FOUR-WAVE MIXING USING PHOTOINDUCED CHARGE-TRANSFER MATERIALS			
<p>I hereby certify that this <u>Utility Patent Application Transmittal with listed documents</u> <i>(Identify type of correspondence)</i></p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231</p> <p>on <u>October 04, 2001</u>.</p> <div style="text-align: center;"> <p><u>Samuel M. Freund</u> <i>(Typed or Printed Name of Person Mailing Correspondence)</i></p>  <p><i>(Signature of Person Mailing Correspondence)</i></p> </div> <p><u>EJ 039304011US</u> <i>("Express Mail" Mailing Label Number)</i></p>			
<p>Note: Each paper must have its own certificate of mailing.</p>			

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FEE TRANSMITTAL For FY 2002

Patent fees are subject to annual revision

Complete if Known

Application Number:
Filing Date: October 04, 2001
First Named Inventor: Eric S. Maniloff
Examiner Name:
Group/Art Unit:
Attorney Docket No.: S-97,774

METHOD OF PAYMENT

1. ☒ The commissioner is hereby authorized to charge indicated fees and credit any over payments to:
Deposit Account Number: 12-2150
Deposit Account Name: Los Alamos National Laboratory
☒ Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17
☒ Applicant claims small entity status. See 37 CFR 1.27

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid
\$740	\$370	Utility filing fee	370.00
\$740	\$370	Reissue filing fee	
\$160	\$80	Provisional filing fee	

SUBTOTAL (1) 370.00\$

SMALL ENTITY DATE:

2. EXTRA CLAIM FEES

Total Claims	8	-20** =	0	X	=	\$0.00
Independent Claims	1	-3** =	0	X	=	\$0.00
Multiple Dependent					=	

** or number previously paid, if greater; For Reissues, see below

Large Entity Fee	Small Entity Fee	Fee Description
\$18	\$9	Claims in excess of 20
\$84	\$42	Independent claims in excess of 3
\$280	\$140	Multiple dependent claim, if not paid.
\$84	\$42	** Reissue independent claims over original patent
\$18	\$9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$0.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid
\$130	\$65	Surcharge - late filing fee or oath	
\$50	\$25	Surcharge - late provisional filing fee or cover sheet	
\$2,520	\$2,520	For filing a request for reexamination	
\$110	\$55	Extension for reply within first month (Petition For Extension of Time submitted herewith)	55.00
\$400	\$200	Extension for reply within second month	
\$920	\$460	Extension for reply within third month	
\$1,440	\$720	Extension for reply within fourth month	
\$1,960	\$980	Extension for reply within fifth month	
\$320	\$160	Notice of Appeal	
\$320	\$160	Filing a brief in support of an appeal	
\$280	\$140	Request for oral hearing	
\$110	\$55	Petition to revive - unavoidable	
\$1,280	\$640	Petition to revive - unintentional	
\$130	\$130	Petitions to the Commissioner	
\$50	\$50	Petitions related to provisional applications	
\$180	\$180	Submission of Information Disclosure Statement	
\$740	\$370	Filing a submission after final rejection (37 CFR 1.129 (a))	
\$740	\$370	For each additional invention to be examined (37 CFR 1.129(b))	
\$300	\$300	Publication fee for early, voluntary, or normal publication	

Other fee (specify) _____

Other fee (specify) _____

SUBTOTAL (3) \$55.00

Reduced by Basic Filing Fee Paid

SUBTOTAL FROM 1 \$370.00

SUBTOTAL FROM 2 \$

SUBTOTAL FROM 3 \$055.00

TOTAL AMOUNT OF PAYMENT \$425.00

SUBMITTED BY

Complete (if applicable)

Printed Name: Samuel M. Freund

Reg. No. 34,516

Signature: Samuel M. Freund

Date: 10/04/01

Telephone (505) 667-9701